

ABSTRACT OF THE DISCLOSURE

A flexible container is provided for the storage and administration of medical solutions. The container incorporates a transparent front sheet made from a planar layer of a polymer and an opposing rear sheet. The rear sheet is made from a planar laminate layer. The front and rear sheets are sealed together along a common peripheral edge to form a volume enclosure. The volume enclosure is constructed of materials having high oxygen and moisture barrier properties which allows the container thermoplastic to be stored for extended periods of time without degrading the contents. The volume enclosure is then inflated with a pressurized gas to permanently stretch the front and rear sheets outwardly and to thereby increase the volume capacity of the container. An alternative embodiment of the container incorporates multiple compartments, separated by peelable seals, for containing a diluent and a medicament. The seals are ruptured by manipulation of the container to thereby mix the contents together for delivery through standard IV arrangement to a patient.

BL IRV1069667.1-* -09/17/03 11:24 AM